



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

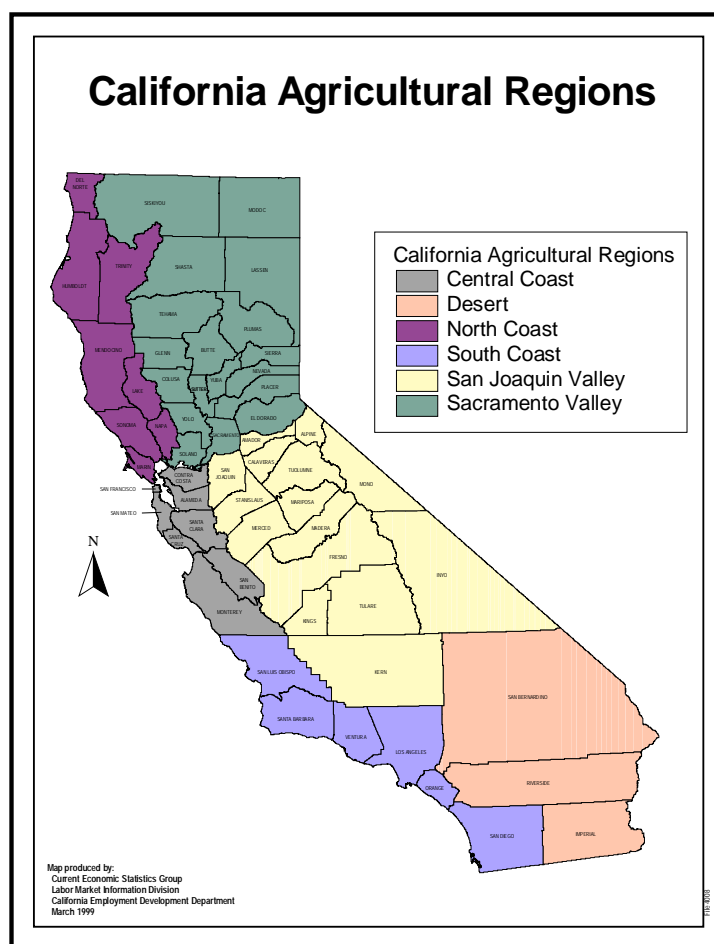
December 2001
(Internet Version)

Agricultural Overview

In This Issue

Agricultural Overview	1
Summary	2
Agricultural Summary Charts	3
California Employment	4
Central Coast Employment	5
Desert Employment	6
North Coast Employment	7
South Coast Employment	8
San Joaquin Valley Employment	9
Sacramento Valley Employment	10
Data Notes	11

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Summary

Employment

Total California agricultural employment for December 2001 registered a decrease of 30,700 jobs from the previous month, a loss of nine percent. Total Agricultural Production decreased 12,400 jobs from November 2001 to December 2001, a loss of seven percent. Agricultural Services decreased by 18,300 jobs, a loss of 12 percent. It is normal for agricultural employment to register a decrease from November to December. The change in California agricultural employment from November 2000 to December 2000 was a decrease of 20,800 jobs.

Farm Labor Contractors registered the largest decrease for the month with a loss of 13,800 jobs. Vegetable and Melon crops registered a significant loss with a decline of 6,400. Grape crops posted the largest gain with an increase of 4,900 jobs. Farm Management Services added 4,600 jobs for December. Total agricultural employment decreased 32 percent in the Central Coast Region, nine percent in the South Coast Region, five percent in the San Joaquin Valley Region, five percent in the Sacramento Valley Region, and one percent in the North Coast Region. Agricultural employment increased nine percent in the Desert Region.

Production and Crop Activity

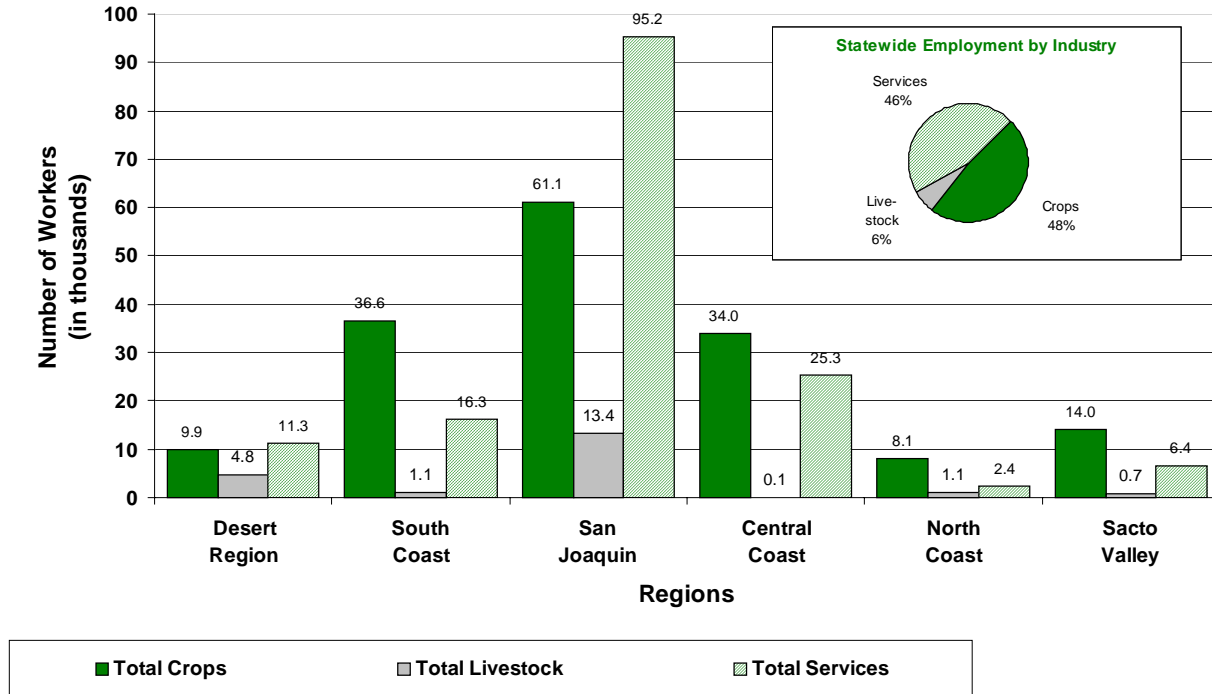
The cotton harvest continued to wind down in the few remaining fields. Fresno County reported 99 percent of the cotton harvest completed. Harvested fields were disced and shredded, but at a slow pace due to wet field conditions. Several harvested fields were treated with herbicides and pre-irrigated for next year's crop. Planting of new alfalfa hay fields continued, with weed spraying in occasional fields. Ground preparation and planting of winter wheat, barley and oats continued. Aircraft were used to spread seed in some locations. Several growers were irrigating and making fertilizer applications. Harvesting of silage corn continued in a few locations, but was finished for the season in most areas. Harvested silage fields were prepared for new plantings. Wet weather delayed the planting of garbanzo beans in several areas. Ground preparation for planting tomatoes, onions, and garlic continued as soil conditions permitted. In Southern California, spring cantaloupe fields were prepared for planting. Lettuce fields were sprayed for worms. Some spinach fields were sprayed for weeds. The sweet corn harvest was completed; harvested fields were disced and prepared for new crops. Freezer broccoli and cauliflower harvesting was underway in the San Joaquin Valley. Radicchio harvesting continued. The following vegetables were also harvested: basil, bok choy, cabbage, carrots, celery, cherry tomatoes, chili peppers, cilantro, collard greens, cucumbers, eggplant, green onions, kale, lettuce, mustard greens, okra, parsley, radishes, spinach, sugar peas, and banana squash.

Pruning, cultivating and dormant spraying continued in orchards and vineyards. Some older variety trees and vines were removed in preparation for the planting of replacements. Brush was shredded and disced or piled for removal. Ground preparation for new plantings was slowed due to wet field conditions. Harvesting of table grapes intended for fresh consumption was nearly completed. The harvesting of persimmons, pomegranates, and navel oranges continued. Grapefruit harvesting continued in the San Joaquin Valley. Lemon picking was active in central and southern California. Nut growers were pruning trees and removing old ones. A few pecans were still being harvested in the San Joaquin Valley.

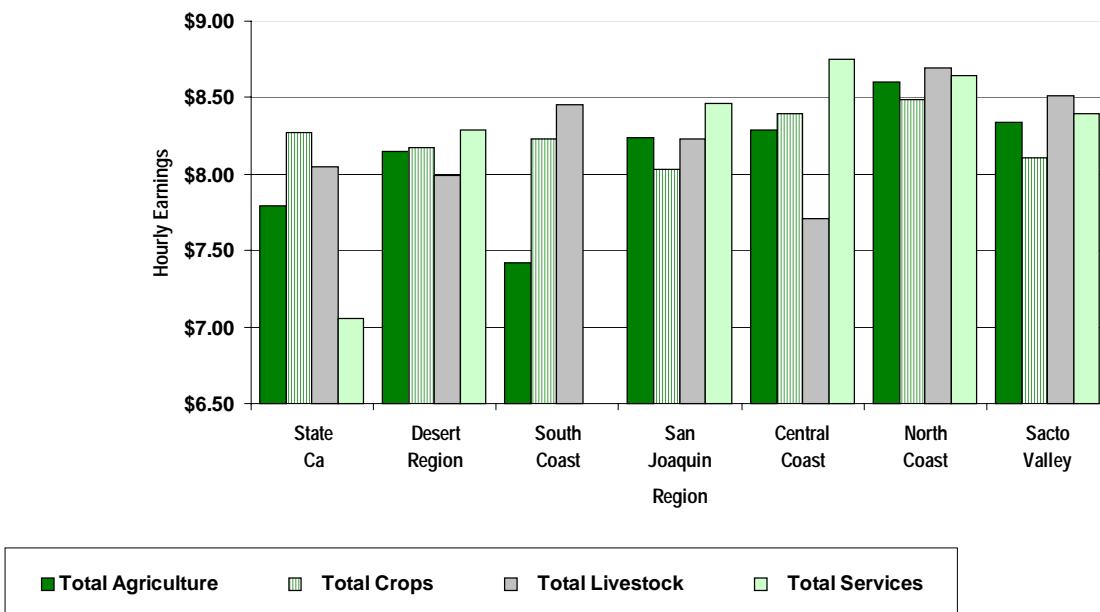
Supplemental feeding of cattle in foothill pastures declined. Late calving and lambing continued. Beekeepers prepared hives for winter. Turkeys were transported to processing facilities to meet holiday demands.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	311.1	341.8	334.4
Total Agricultural Production/Crops	153.0	163.7	163.7
Cash Grains	2.2	2.5	2.1
Rice	1.5	1.9	1.3
Other Cash Grains	0.7	0.6	0.8
Field Crops Except Grains	11.0	12.4	9.1
Cotton	5.5	6.8	5.3
Other Field Crops	5.5	5.6	3.8
Vegetables and Melons	31.7	38.1	24.8
Total Fruits and Tree Nuts	56.5	59.2	70.0
Berries	7.8	12.6	8.1
Grapes	28.3	23.4	32.4
Tree Nuts	5.2	6.6	8.9
Citrus Fruits	2.7	1.9	4.8
Deciduous Tree Fruit	6.9	7.1	8.8
Other Fruits & Nuts	5.6	7.6	7.0
Total Horticultural Specialties	33.7	33.3	37.1
Ornamental Floral & Nursery	31.0	30.6	33.7
Food Crops Grown Under Cover	2.7	2.7	3.4
General Farm Primarily Crop	17.9	18.2	20.6
Agricultural Production/Livestock	19.5	21.2	29.2
Beef Cattle Feed Lots	0.9	1.4	0.9
Beef Cattle Except Feed Lots	1.5	1.7	3.5
Dairy Farms	11.4	12.1	16.6
Chicken Eggs	1.5	0.7	2.4
Turkey & Turkey Eggs	1.0	0.9	1.0
Other Livestock	3.2	4.4	4.8
Total Agricultural Services	138.6	156.9	141.5
Soil Preparation Services	1.2	1.3	1.3
Crop Services	40.9	49.9	41.3
Plant Cultivate & Protection	6.3	8.7	4.8
Harvest Primarily by Machine	3.4	6.1	4.4
Preparation Services for Market	29.3	33.0	30.2
Cotton Ginning	1.9	2.1	1.9
Total Farm Labor & Management	96.5	105.7	98.9
Farm Labor Contractors	86.0	99.8	89.5
Farm Management Services	10.5	5.9	9.4

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	7.79	8.00	8.12
Total Agricultural Production/Crops	8.27	8.20	7.99
Cash Grains	8.43	8.18	8.12
Rice	8.81	8.30	8.14
Other Cash Grains	8.06	8.06	8.10
Field Crops Except Grains	8.33	8.27	7.97
Cotton	8.25	8.23	7.85
Other Field Crops	8.42	8.32	8.08
Vegetables and Melons	8.36	8.30	7.95
Total Fruits and Tree Nuts	8.14	8.00	7.88
Berries	8.28	7.98	7.51
Grapes	8.19	8.11	7.88
Tree Nuts	7.91	7.69	7.88
Citrus Fruits	8.12	8.08	7.84
Deciduous Tree Fruit	7.89	7.77	7.89
Other Fruits & Nuts	8.46	8.39	8.28
Total Horticultural Specialties	8.25	8.31	8.05
Ornamental Floral & Nursery	8.35	8.30	8.15
Food Crops Grown Under Cover	8.16	8.32	7.96
General Farm Primarily Crop	8.11	8.13	7.99
Agricultural Production/Livestock	8.04	8.14	8.00
Beef Cattle Feed Lots	8.14	8.11	7.95
Beef Cattle Except Feed Lots	8.29	8.38	8.23
Dairy Farms	8.56	8.60	8.62
Chicken Eggs	7.41	7.41	7.25
Turkey & Turkey Eggs	7.67	7.94	7.77
Other Livestock	8.21	8.38	8.15
Total Agricultural Services	7.06	7.67	8.37
Soil Preparation Services	4.23	5.93	8.44
Crop Services	8.71	8.74	8.57
Plant Cultivate & Protection	8.52	8.50	8.62
Harvest Primarily by Machine	8.59	8.59	8.64
Preparation Services for Market	8.22	8.22	8.06
Cotton Ginning	9.50	9.64	8.95
Total Farm Labor & Management	8.23	8.35	8.11
Farm Labor Contractors	7.95	8.13	7.93
Farm Management Services	8.52	8.58	8.29

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	40.3	59.4	42.1
Total Agricultural Production/Crops	24.9	34.0	25.3
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	1.3	1.1	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.3	1.1	0.2
Vegetables and Melons	8.5	13.4	9.7
Total Fruits and Tree Nuts	4.8	8.9	4.6
Berries	3.5	6.9	2.9
Grapes	0.6	0.4	0.9
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.0	0.4
Other Fruits & Nuts	0.6	1.6	0.2
Total Horticultural Specialties	9.0	9.3	9.5
Ornamental Floral & Nursery	6.9	7.2	7.4
Food Crops Grown Under Cover	2.1	2.1	2.1
General Farm Primarily Crop	1.3	1.3	1.3
Agricultural Production/Livestock	0.1	0.1	1.1
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.1	0.4
Total Agricultural Services	15.3	25.3	15.7
Soil Preparation Services	0.0	0.2	0.2
Crop Services	7.3	12.5	6.2
Plant Cultivate & Protection	0.0	0.7	0.3
Harvest Primarily by Machine	1.9	4.2	1.3
Preparation Services for Market	5.4	7.6	4.6
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	8.0	12.6	9.3
Farm Labor Contractors	6.3	12.5	8.0
Farm Management Services	1.7	0.1	1.3

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	8.27	8.28	8.23
Total Agricultural Production/Crops	8.51	8.39	8.23
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.59	8.33	8.26
Cotton	na	na	na
Other Field Crops	8.59	8.33	8.26
Vegetables and Melons	8.77	8.59	8.03
Total Fruits and Tree Nuts	8.47	8.56	8.29
Berries	8.68	8.58	7.72
Grapes	8.19	8.34	8.22
Tree Nuts	na	na	8.67
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.25	na	8.18
Other Fruits & Nuts	8.74	8.77	8.64
Total Horticultural Specialties	8.43	8.47	8.30
Ornamental Floral & Nursery	8.54	8.58	8.51
Food Crops Grown Under Cover	8.32	8.35	8.09
General Farm Primarily Crop	8.28	8.02	8.26
Agricultural Production/Livestock	7.77	7.71	7.95
Beef Cattle Feed Lots	na	na	8.10
Beef Cattle Except Feed Lots	na	na	8.25
Dairy Farms	na	na	8.63
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	7.77
Other Livestock	7.77	7.71	7.94
Total Agricultural Services	8.53	8.75	8.51
Soil Preparation Services	na	9.00	8.33
Crop Services	8.68	8.66	8.89
Plant Cultivate & Protection	na	8.60	8.62
Harvest Primarily by Machine	8.78	9.10	9.00
Preparation Services for Market	8.57	8.27	9.04
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.39	8.59	8.32
Farm Labor Contractors	8.00	8.36	7.97
Farm Management Services	8.78	8.82	8.66

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	28.4	26.0	31.5
Total Agricultural Production/Crops	12.6	9.9	13.5
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.3	1.3	1.3
Cotton	0.0	0.0	0.1
Other Field Crops	1.3	1.3	1.2
Vegetables and Melons	4.5	4.5	3.4
Total Fruits and Tree Nuts	2.9	1.6	4.9
Berries	0.0	0.0	0.0
Grapes	2.3	0.8	2.4
Tree Nuts	0.2	0.4	0.3
Citrus Fruits	0.2	0.2	0.9
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	0.2	0.2	1.2
Total Horticultural Specialties	2.7	1.4	1.7
Ornamental Floral & Nursery	2.7	1.4	1.6
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.2	1.1	2.1
Agricultural Production/Livestock	4.5	4.8	5.7
Beef Cattle Feed Lots	0.6	1.2	0.3
Beef Cattle Except Feed Lots	0.6	0.9	0.6
Dairy Farms	1.6	1.4	3.0
Chicken Eggs	1.2	0.4	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.9	0.6
Total Agricultural Services	11.3	11.3	12.3
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.2	2.9	4.2
Plant Cultivate & Protection	0.1	0.1	0.3
Harvest Primarily by Machine	0.1	0.1	0.7
Preparation Services for Market	3.0	2.7	2.8
Cotton Ginning	0.0	0.0	0.4
Total Farm Labor & Management	8.1	8.4	7.9
Farm Labor Contractors	6.3	7.9	6.9
Farm Management Services	1.8	0.5	1.0

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	8.08	8.15	7.98
Total Agricultural Production/Crops	7.98	8.17	7.75
Cash Grains	na	na	8.00
Rice	na	na	na
Other Cash Grains	na	na	8.00
Field Crops Except Grains	8.54	8.63	7.99
Cotton	na	na	7.95
Other Field Crops	8.54	8.63	8.02
Vegetables and Melons	7.74	8.19	7.43
Total Fruits and Tree Nuts	7.93	7.93	7.78
Berries	na	na	na
Grapes	7.92	7.63	7.85
Tree Nuts	7.31	7.31	7.00
Citrus Fruits	7.94	8.32	7.63
Deciduous Tree Fruit	na	na	7.83
Other Fruits & Nuts	8.56	8.46	8.59
Total Horticultural Specialties	7.72	7.80	7.65
Ornamental Floral & Nursery	7.72	7.80	7.50
Food Crops Grown Under Cover	na	na	7.79
General Farm Primarily Crop	7.98	8.32	7.63
Agricultural Production/Livestock	8.00	7.99	7.83
Beef Cattle Feed Lots	8.11	8.00	7.76
Beef Cattle Except Feed Lots	8.25	8.26	8.13
Dairy Farms	8.60	8.59	8.51
Chicken Eggs	7.35	7.28	7.03
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.69	7.81	7.72
Total Agricultural Services	8.25	8.29	8.36
Soil Preparation Services	na	na	8.47
Crop Services	8.36	8.40	8.35
Plant Cultivate & Protection	8.15	8.31	8.36
Harvest Primarily by Machine	8.90	8.61	8.46
Preparation Services for Market	8.02	8.27	7.68
Cotton Ginning	na	na	8.88
Total Farm Labor & Management	8.15	8.19	8.25
Farm Labor Contractors	8.08	7.99	8.50
Farm Management Services	8.21	8.38	8.00

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	11.0	11.6	12.4
Total Agricultural Production/Crops	8.5	8.1	8.7
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	3.5	2.6	0.2
Total Fruits and Tree Nuts	4.4	4.9	6.8
Berries	0.0	0.0	0.0
Grapes	4.2	4.5	6.0
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.2	0.2	0.6
Other Fruits & Nuts	0.0	0.2	0.1
Total Horticultural Specialties	0.5	0.5	1.4
Ornamental Floral & Nursery	0.5	0.5	1.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	0.1	0.1	0.3
Agricultural Production/Livestock	0.8	1.1	1.7
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.6	0.9	0.9
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.2	0.2	0.3
Total Agricultural Services	1.7	2.4	2.0
Soil Preparation Services	0.0	0.0	0.0
Crop Services	0.0	0.0	0.2
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	1.7	2.4	1.8
Farm Labor Contractors	0.0	0.1	0.3
Farm Management Services	1.7	2.3	1.5

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	8.61	8.61	8.31
Total Agricultural Production/Crops	8.54	8.48	8.34
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.84	8.58	8.50
Total Fruits and Tree Nuts	8.62	8.57	8.48
Berries	na	na	na
Grapes	8.66	8.52	8.42
Tree Nuts	na	na	8.50
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.57	8.50	8.54
Other Fruits & Nuts	na	8.70	8.44
Total Horticultural Specialties	8.67	8.60	8.33
Ornamental Floral & Nursery	8.67	8.60	8.69
Food Crops Grown Under Cover	na	na	7.96
General Farm Primarily Crop	8.05	8.18	8.06
Agricultural Production/Livestock	8.54	8.69	8.25
Beef Cattle Feed Lots	na	na	8.10
Beef Cattle Except Feed Lots	na	na	8.09
Dairy Farms	8.36	8.32	8.72
Chicken Eggs	na	na	8.33
Turkey & Turkey Eggs	na	na	7.77
Other Livestock	8.71	9.06	8.46
Total Agricultural Services	8.76	8.65	8.34
Soil Preparation Services	na	na	na
Crop Services	na	na	8.34
Plant Cultivate & Protection	na	na	8.62
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.06
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.76	8.65	8.34
Farm Labor Contractors	na	8.37	7.92
Farm Management Services	8.76	8.92	8.75

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	49.4	54.0	53.4
Total Agricultural Production/Crops	34.2	36.6	37.8
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.2	1.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	1.2	1.2	0.2
Vegetables and Melons	7.1	8.1	7.4
Total Fruits and Tree Nuts	8.6	9.1	9.6
Berries	4.3	5.6	4.8
Grapes	1.5	1.1	1.6
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	1.1	0.8	1.5
Deciduous Tree Fruit	0.2	0.1	0.1
Other Fruits & Nuts	1.5	1.5	1.5
Total Horticultural Specialties	16.2	16.6	17.6
Ornamental Floral & Nursery	15.6	16.0	16.8
Food Crops Grown Under Cover	0.6	0.6	0.8
General Farm Primarily Crop	1.1	1.6	2.9
Agricultural Production/Livestock	0.6	1.1	2.1
Beef Cattle Feed Lots	0.0	0.1	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.3
Dairy Farms	0.0	0.0	0.2
Chicken Eggs	0.0	0.0	0.5
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.4	0.8	1.1
Total Agricultural Services	14.6	16.3	13.5
Soil Preparation Services	0.0	0.0	0.2
Crop Services	1.7	1.7	2.7
Plant Cultivate & Protection	0.5	0.5	0.4
Harvest Primarily by Machine	0.0	0.0	0.4
Preparation Services for Market	1.2	1.2	1.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	12.9	14.6	10.6
Farm Labor Contractors	10.8	13.7	9.5
Farm Management Services	2.1	0.9	1.1

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	7.39	7.42	8.23
Total Agricultural Production/Crops	8.26	8.23	8.17
Cash Grains	na	na	8.42
Rice	na	na	na
Other Cash Grains	na	na	8.42
Field Crops Except Grains	8.49	8.37	8.22
Cotton	na	na	na
Other Field Crops	8.49	8.37	8.22
Vegetables and Melons	8.33	8.09	8.02
Total Fruits and Tree Nuts	8.11	8.05	7.90
Berries	7.88	7.95	7.72
Grapes	8.46	8.42	7.64
Tree Nuts	na	na	7.41
Citrus Fruits	8.36	8.40	8.51
Deciduous Tree Fruit	7.25	7.25	7.47
Other Fruits & Nuts	8.62	8.24	8.67
Total Horticultural Specialties	8.25	8.43	8.15
Ornamental Floral & Nursery	8.51	8.58	7.98
Food Crops Grown Under Cover	7.99	8.28	8.32
General Farm Primarily Crop	8.10	8.20	8.29
Agricultural Production/Livestock	8.37	8.45	8.14
Beef Cattle Feed Lots	na	8.05	na
Beef Cattle Except Feed Lots	8.56	8.73	8.59
Dairy Farms	na	na	8.56
Chicken Eggs	na	na	7.13
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.17	8.58	8.27
Total Agricultural Services	5.53	5.57	8.39
Soil Preparation Services	0.00	0.00	8.76
Crop Services	8.44	8.55	8.56
Plant Cultivate & Protection	8.74	8.89	8.73
Harvest Primarily by Machine	na	na	9.15
Preparation Services for Market	8.13	8.21	7.80
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.17	8.16	7.86
Farm Labor Contractors	7.86	7.83	7.70
Farm Management Services	8.47	8.48	8.02

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	162.0	169.7	173.4
Total Agricultural Production/Crops	58.4	61.1	63.6
Cash Grains	0.7	0.8	0.4
Rice	0.4	0.6	0.1
Other Cash Grains	0.3	0.2	0.3
Field Crops Except Grains	6.7	8.3	6.9
Cotton	5.5	6.8	5.2
Other Field Crops	1.2	1.5	1.7
Vegetables and Melons	5.8	7.3	3.2
Total Fruits and Tree Nuts	30.3	29.1	37.0
Berries	0.0	0.1	0.1
Grapes	19.5	16.2	20.8
Tree Nuts	3.3	4.5	5.8
Citrus Fruits	1.4	0.9	2.3
Deciduous Tree Fruit	3.6	3.9	4.9
Other Fruits & Nuts	2.5	3.5	3.1
Total Horticultural Specialties	3.2	3.8	4.6
Ornamental Floral & Nursery	3.2	3.8	4.4
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	11.7	11.8	11.5
Agricultural Production/Livestock	12.9	13.4	17.0
Beef Cattle Feed Lots	0.3	0.1	0.4
Beef Cattle Except Feed Lots	0.5	0.4	1.6
Dairy Farms	9.1	9.7	11.8
Chicken Eggs	0.3	0.3	0.5
Turkey & Turkey Eggs	1.0	0.9	0.8
Other Livestock	1.7	2.0	1.9
Total Agricultural Services	90.7	95.2	92.8
Soil Preparation Services	1.2	1.1	0.6
Crop Services	26.0	29.3	25.8
Plant Cultivate & Protection	5.1	6.4	3.3
Harvest Primarily by Machine	1.3	1.5	1.7
Preparation Services for Market	17.7	19.3	19.3
Cotton Ginning	1.9	2.1	1.5
Total Farm Labor & Management	63.5	64.8	66.4
Farm Labor Contractors	60.3	62.7	62.2
Farm Management Services	3.2	2.1	4.2

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	8.21	8.24	8.03
Total Agricultural Production/Crops	8.14	8.03	7.84
Cash Grains	8.32	8.13	8.03
Rice	8.77	8.29	8.36
Other Cash Grains	7.86	7.96	7.69
Field Crops Except Grains	8.28	8.26	7.73
Cotton	8.25	8.23	7.75
Other Field Crops	8.30	8.29	7.70
Vegetables and Melons	8.11	8.18	7.86
Total Fruits and Tree Nuts	8.02	7.70	7.44
Berries	na	7.40	7.42
Grapes	8.05	7.81	7.41
Tree Nuts	8.23	7.92	7.69
Citrus Fruits	8.06	7.53	7.39
Deciduous Tree Fruit	7.64	7.58	7.27
Other Fruits & Nuts	8.11	7.94	7.48
Total Horticultural Specialties	8.10	8.01	7.88
Ornamental Floral & Nursery	8.10	8.01	8.12
Food Crops Grown Under Cover	na	na	7.64
General Farm Primarily Crop	8.05	7.92	8.13
Agricultural Production/Livestock	8.14	8.23	8.01
Beef Cattle Feed Lots	8.16	8.27	7.85
Beef Cattle Except Feed Lots	8.03	8.19	8.27
Dairy Farms	8.87	8.82	8.91
Chicken Eggs	7.47	7.54	6.78
Turkey & Turkey Eggs	7.67	7.94	7.77
Other Livestock	8.66	8.61	8.47
Total Agricultural Services	8.35	8.46	8.23
Soil Preparation Services	8.46	8.80	8.32
Crop Services	8.55	8.50	8.42
Plant Cultivate & Protection	8.44	8.22	8.79
Harvest Primarily by Machine	8.18	8.12	8.27
Preparation Services for Market	8.08	8.00	7.61
Cotton Ginning	9.50	9.64	9.02
Total Farm Labor & Management	8.05	8.09	7.95
Farm Labor Contractors	7.73	7.89	7.75
Farm Management Services	8.37	8.28	8.14

na = not available

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	20.0	21.1	21.5
Total Agricultural Production/Crops	14.4	14.0	14.7
Cash Grains	1.5	1.7	1.5
Rice	1.1	1.3	1.2
Other Cash Grains	0.4	0.4	0.3
Field Crops Except Grains	0.5	0.5	0.5
Cotton	0.0	0.0	0.0
Other Field Crops	0.5	0.5	0.5
Vegetables and Melons	2.3	2.2	0.9
Total Fruits and Tree Nuts	5.5	5.6	7.1
Berries	0.0	0.0	0.3
Grapes	0.2	0.4	0.7
Tree Nuts	1.7	1.7	2.4
Citrus Fruits	0.0	0.0	0.1
Deciduous Tree Fruit	2.8	2.9	2.7
Other Fruits & Nuts	0.8	0.6	0.9
Total Horticultural Specialties	2.1	1.7	2.2
Ornamental Floral & Nursery	2.1	1.7	2.2
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	2.5	2.3	2.5
Agricultural Production/Livestock	0.6	0.7	1.6
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.5
Dairy Farms	0.1	0.1	0.6
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.4	0.5
Total Agricultural Services	5.0	6.4	5.2
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.7	3.5	2.2
Plant Cultivate & Protection	0.6	1.0	0.4
Harvest Primarily by Machine	0.1	0.3	0.3
Preparation Services for Market	2.0	2.2	1.5
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.3	2.9	2.9
Farm Labor Contractors	2.3	2.9	2.6
Farm Management Services	0.0	0.0	0.3

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Dec 2001	Nov 2001	Dec 2000
Total Agriculture	8.31	8.34	8.10
Total Agricultural Production/Crops	8.31	8.11	7.91
Cash Grains	8.55	8.23	8.10
Rice	8.84	8.30	7.92
Other Cash Grains	8.26	8.15	8.28
Field Crops Except Grains	8.17	7.97	8.21
Cotton	na	na	na
Other Field Crops	8.17	7.97	8.21
Vegetables and Melons	8.36	8.17	7.83
Total Fruits and Tree Nuts	8.02	7.94	7.78
Berries	na	na	7.17
Grapes	7.87	7.91	7.74
Tree Nuts	8.20	7.83	8.03
Citrus Fruits	na	na	7.84
Deciduous Tree Fruit	7.75	7.75	8.07
Other Fruits & Nuts	8.26	8.25	7.83
Total Horticultural Specialties	8.57	8.24	8.02
Ornamental Floral & Nursery	8.57	8.24	8.08
Food Crops Grown Under Cover	na	na	7.96
General Farm Primarily Crop	8.21	8.12	7.54
Agricultural Production/Livestock	8.32	8.51	8.16
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.31	8.35	8.05
Dairy Farms	8.40	8.68	8.37
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.24	8.50	8.06
Total Agricultural Services	8.30	8.39	8.21
Soil Preparation Services	na	na	8.32
Crop Services	8.51	8.45	8.38
Plant Cultivate & Protection	8.74	8.48	8.61
Harvest Primarily by Machine	8.50	8.51	8.33
Preparation Services for Market	8.29	8.37	8.19
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.08	8.33	7.95
Farm Labor Contractors	8.08	8.33	7.74
Farm Management Services	na	na	8.15

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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